BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Estimate for Improvements to Roads and Drains to Vinayakanagar Church road and surrounding area in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.**

							Estimate Cost:		3000000.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 142 / Item No. 19.1 / PWD SR 2016-17**	Cum							
	Culvert		2	6.00	2.00	1.10	26.40		
	Vinayakanagara Church Road Drain Desilting		2	170.00	0.45	0.45	68.85		
	Cross Road		2	155.00	0.45	0.45	62.78		
	Berm Cutting								
	Vinayakanagara Church Road		2	170.00	0.90	0.20	61.20		
	Cross Road		2	155.00	0.90	0.20	55.80		
	Basic Rate	130.00					**275.03**	243.88	**67073.00**
	Area Weightage @ 6%	7.80							
	Total	**137.80**							
	Add loading and unloading Charges **It No 17.1 KSRRB M 100-1**	68.00							
	Average weight of earth 1.28 tonne / kg for 11.90 Km = 1.28 T X 11.90Km X 2.5 Tonne / km = 38.08	38.08							
	Total	**243.88**							
2	Removing and refixing stone slabs of drains and pointing in CM (1:3) **Page No. 27 / Item No. 5.33 PWD SR 2018-19**	Sqm							
	BS Slab Drain								
	Vinayakanagara Church Road		2	170.00		1.35	459.00		
	Cross Road		2	155.00		1.35	418.50		
							877.50	111.30	**97666.00**
	Basic Rate	105.00							
	Area Weightage @ 6%	6.30							
	Total	**111.30**							
3	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete **Page No. 27 / Item No. 5.31.1 PWD SR 2018-19**	Sqm							
	Damaged Slabs & Missing Slabs 10%		Vide Item No. 2				87.75		
	Basic Rate	700.00					**87.75**	742.00	**65111.00**
	Area Weightage @ 6%	42.00							
	Total	**742.00**							
4	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 27 / Item No. 5.26.2, PWD SR 2018-19**	Sqm							
	Vinayakanagara Church Road		2x2	170.00		0.40	272.00		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Cross Road		2x2	155.00		0.40	248.00		
	Basic Rate	924.00					**520.00**	979.44	**509309.00**
	Area Weightage @ 6%	55.44							
	Total	**979.44**							
5	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.3 of PWD SR 2018-19**	Cum							
	Culverts		2	6.00	2.00	0.15	3.60		
							3.60	5408.12	**19469.00**
	Basic Rate	5102.00							
	Area Weightage @ 6%	306.12							
	Total	**5408.12**							
6	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 25 / Item No. 5.9, PWD SR 2018-19**	Cum							
			2x2	6.00	0.60	0.45	6.48		
			2x2	6.00	0.45	0.45	4.86		
	Basic Rate	5483.00					**11.34**	5811.98	**65908.00**
	Area Weightage @ 6%	328.98							
	Total	**5811.98**							
7	KSRB 15.1.3 Providing **ruled pointing 20 mm deep** to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 115 / Item No. 15.3, PWD SR 2018-19**	Sqm							
			2x2	6.00		0.90	21.60		
	Basic Rate	142.00					**21.60**	150.52	**3251.00**
	Area Weightage @ 6%	8.52							
	Total	**150.52**							
8	Providing **precast slab of 250mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
			10x2	1.50	0.60		18.00		
							18.00	5418.00	**97524.00**
9	Providing **precast slab of 100mm thick** including cost of all materials, labour, curing, transportation, loading unloading, etc.,complete as per the direction of engineer in charge - (Data rate Approved).	Sqm							
			2	170.00	0.90		306.00		
			2	155.00	0.90		279.00		
							585.00	2337.00	**1367145.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
10	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix 1:2:4** with cement @ [illegible]0kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.13, Item No. 4.6 PWD SR 2018-19**	Cum							
	Culvert Coping		2	6.00	1.50	0.10	1.80		
	Ramp		2x2	6.00	1.00	0.15	3.60		
	Vent Concrete								
	Singapura		2	100.00	0.45	0.10	9.00		
			2	80.00	0.45	0.10	7.20		
	Flagging Course								
	Singapura		2x2	170.00	0.20	0.10	13.60		
			2x2	155.00	0.20	0.10	12.40		
	Ramp								
	Singapura		2	170.00	0.30	0.10	10.20		
			2	155.00	0.30	0.10	9.30		
	Basic Rate	5422.00					**67.10**	5747.32	**385645.00**
	Area Weightage @ 6%	325.32							
	Total	**5747.32**							
	Sub Total								**2678101.00**
	GST @ 12%								**321372.00**
	Miscellaneous and other Charges	L/S							**527.00**
								Total	**3000000.00**
Rupees Thirty Lakh(s) Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2018-19.
3 This work included under 2018-19 POW Grant.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

6/07

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

6/07

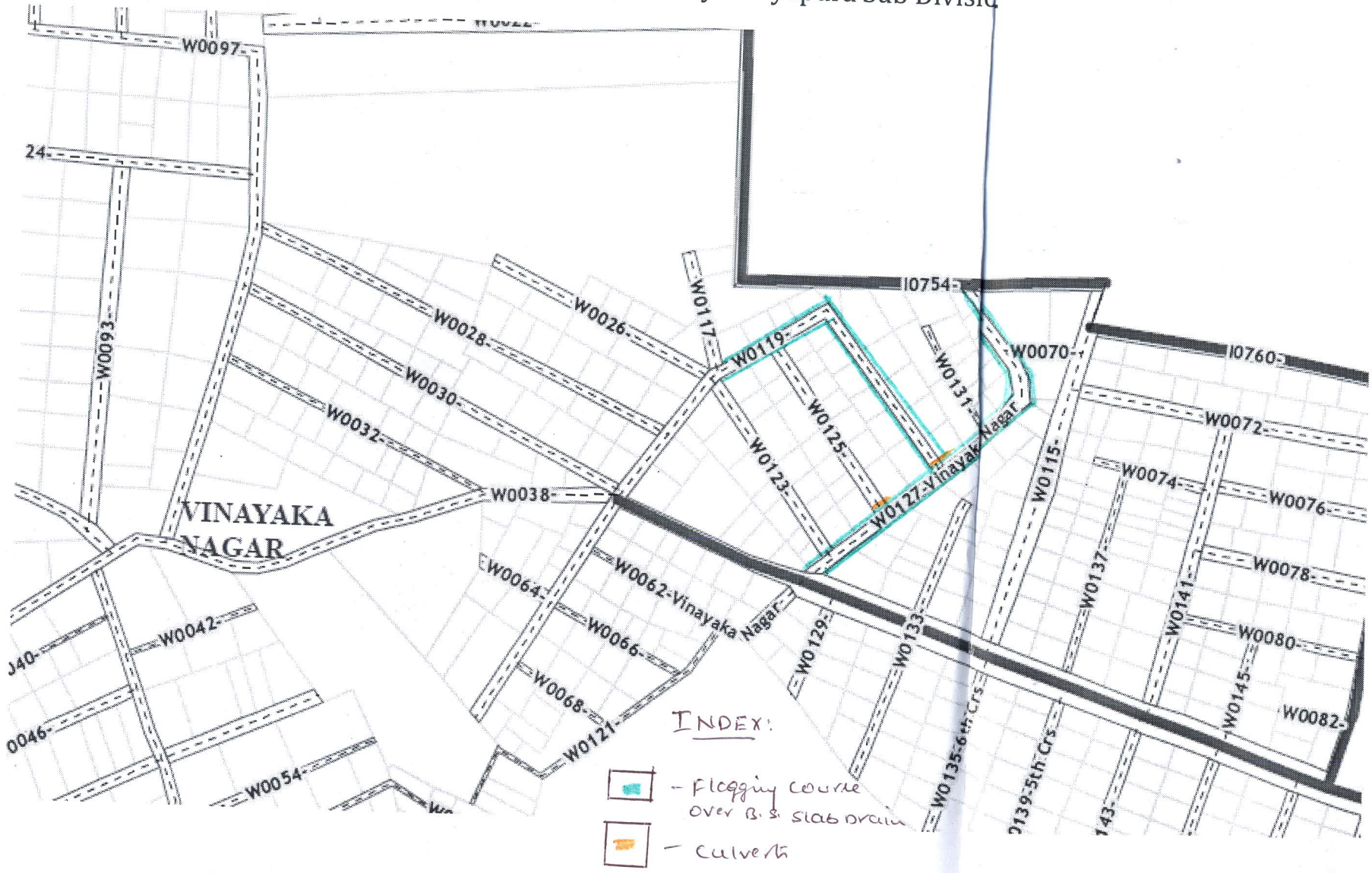
Administrative Approval
Accorded For RS30:Wlaschemly
Head of A/C P1771
CER NO : 69 Dt 10.07.2019

AA CE (YNK)

Technical Sanction
Accorded For RS30'Wlaschemly
Head of A/C P1771
CER NO : 53 Dt: 10.07.2019

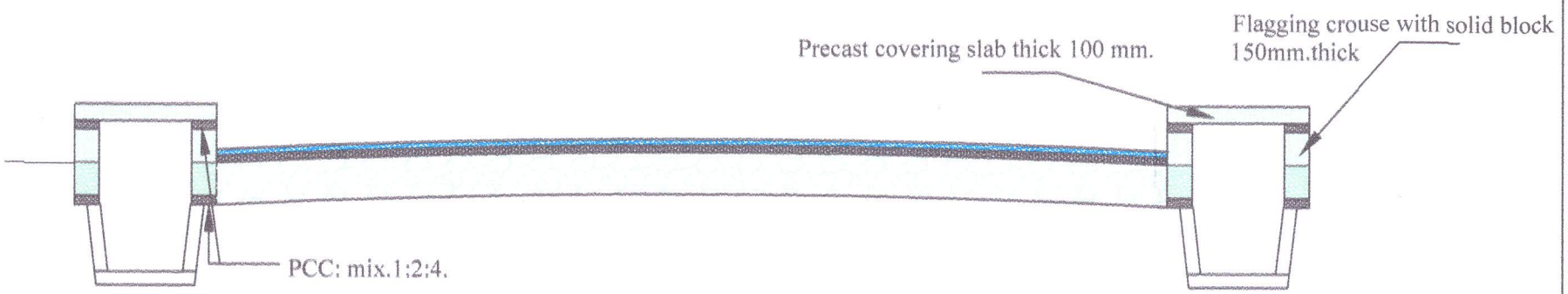
TA CE (YNK)

Name of Work: Improvements to Roads and Drains to Vinayakanagar Church road nd surrounding area in Ward No 11 (Kuvempunagara) in Vidyaranyapura Sub Divisio



Assistant Engineer
Ward No. 11

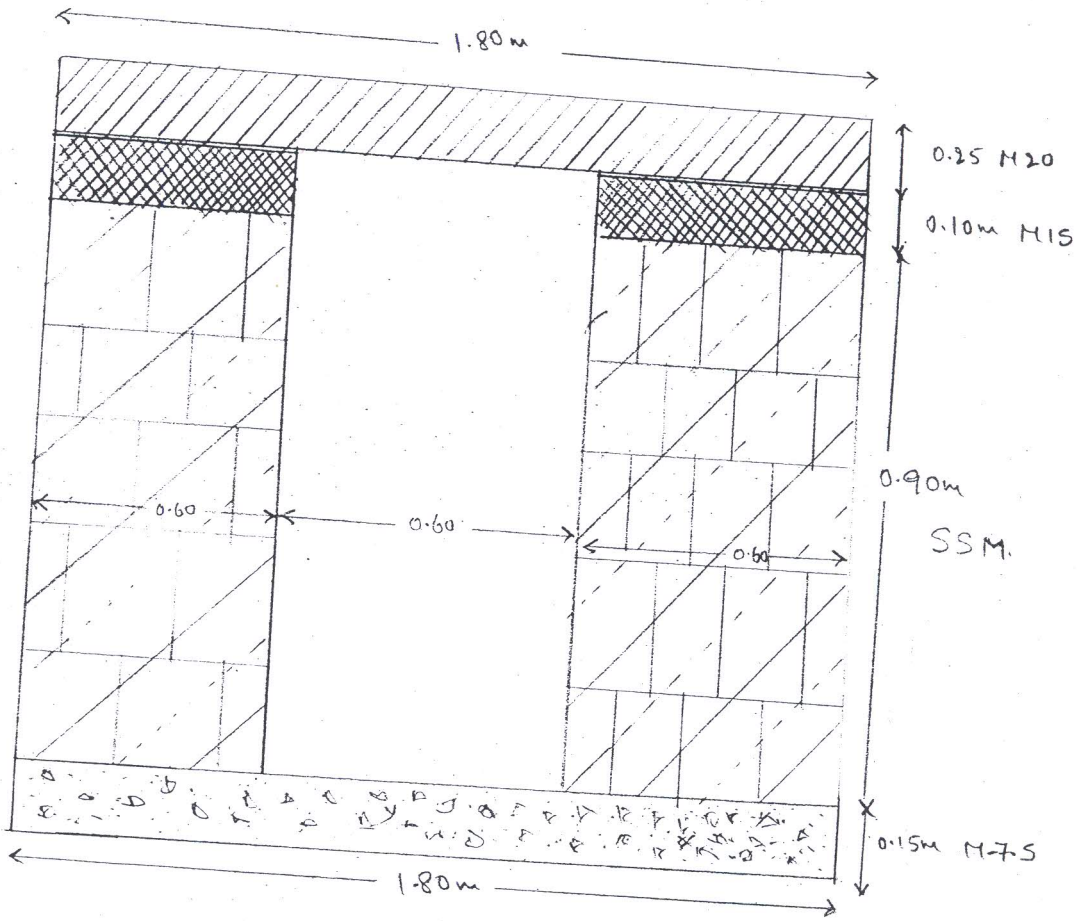
Assistant Executive Engineer
Vidyaranyapura Sub Division



CROSS SECTION OF SOLID BLOCK FLAGGING COURCE OVER B S SLAB DRAIN.

ASSISTANT ENGINEER.

ASSISTANT EXECUTIVE
ENGINEER.



CROSS SECTION OF CULVERT

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97